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| **1.****Make up a fair game that could be played with spinners.** | **2.**  **Jose makes up a new game. He rolls a number cube twice and adds the numbers. If the sum is a multiple of two, he wins. If the sum is a multiple of five, you win. Is the game fair? Why or why not?** |
| **What is the probability of getting green OR yellow?****3.** **Fill out the rest of the table.**

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|  | **Red** | **Blue** | **Yellow** |
| **Green** | **RG** | **RB** |  |
| **Red** |  |  |  |
| **Blue** |  |  |  |

 | **4.****Imagine you are playing a game where you roll two six-sided number cubes and add the numbers together. What is the probability of getting an even sum?** |
| **5.****Is it possible for something to be 200% likely? Why or why not?** | **6.****What is theoretical probability?** |
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